

ABSTRACT OF THE DISCLOSURE

An analog switch circuit with superior breakdown voltage characteristics that can operate at a high speed at a low power supply voltage. The analog switch circuit includes a comparator circuit for inputting and comparing an analog input signal input to an analog switch section and a reference signal. If the input potential of the analog input signal is lower than the reference potential of the reference signal, a voltage boost circuit sets a potential of a gate of an n MOS transistor included in the analog switch section to a potential of positive power supply voltage. If the input potential of the analog input signal is higher than the reference potential of the reference signal, the voltage boost circuit boosts the potential of the gate to a potential higher than the potential of power supply voltage.